

US ROCKIES REGION
Operation Summary Report

Well: BERRY 24-8

Spud date: 9/26/2004

Project: COLORADO-WELD-NAD83-UTM13

Site: BERRY 24-8

Rig name no.: BASIC 1549/1549

Event: WELL WORK EXPENSE

Start date: 12/3/2015

End date:

Active datum: RKB @4,821.99usft (above Mean Sea Level)

UWI: 0/3/N/67/W/8/0/SWNE/6/0/N/2450/E/0/1420/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD from (usft) | Operation |
|-----------|-------------------|------------------|--------|------|-------------|-----|-------------------|--|
| 3/23/2015 | 7:30 - 12:00 | 4.50 | MAINT | 47 | C | P | | MIRU check psi tp 1400 cp 1500 sp 0 summit fish and tag well tag @ 7187 MIRU HW and A&W blow down well. Pump 60BBL down casing replace casing valves. Pump 20BBL down tbq replace flange with flanged master valve. torque and test to 5000 psi. NUWH RDMO |
| 12/3/2015 | 6:30 - 7:00 | 0.50 | WO/REP | 30 | G | P | | CREW TO LOC |
| | 7:00 - 8:00 | 1.00 | WO/REP | 30 | A | P | | MIRU BASIC 1549 |
| | 8:00 - 8:45 | 0.75 | WO/REP | 30 | E | P | | TBG/CSG=250 BLEW DOWN TO FLAT TANK CONTROL WELL W/ 20 BBLS FRESH WATER W/ BIO DOWN TBG AND 40 BBLS DOWN CSG BOTH ON VAC |
| | 8:45 - 9:00 | 0.25 | WO/REP | 30 | F | P | | NDWH NUBOP |
| | 9:00 - 10:30 | 1.50 | WO/REP | 31 | I | P | | EMI OUT W/ TBG FOUND NO BAD TBG |
| | 10:30 - 12:00 | 1.50 | WO/REP | 31 | I | P | | TIH W/ RBP SET @ 6205' W/ 190 JNTS |
| | 12:00 - 12:30 | 0.50 | WO/REP | 31 | H | P | | ROLL GAS FROM WELL BORE |
| | 12:30 - 13:00 | 0.50 | WO/REP | 52 | G | P | | TEST CSG/RBP TO 1000# W/ RIG PUMP GOOD TEST |
| | 13:00 - 14:30 | 1.50 | WO/REP | 31 | I | P | | SPOT SAND ON RBP TOO H W/ TBG |
| | 14:30 - 16:00 | 1.50 | WO/REP | 30 | F | P | | NDBOP UNLAND PROD CSG W/ 65000# PULL NU DUAL ENTRY EQUIP NUBOP W/ FUNCTION TESTED 1.66" PIPE RAMS AND BLIND RAMS CLOSE AND LOCK BLIND RAMS |
| | 16:00 - 16:30 | 0.50 | WO/REP | 30 | G | P | | CREW TO YARD |
| 12/4/2015 | 6:30 - 7:00 | 0.50 | WO/REP | 30 | G | P | | CREW TO LOC |
| | 7:00 - 7:30 | 0.50 | WO/REP | 30 | | P | | SAFETY MEETING START EQUIP |
| | 7:15 - 10:45 | 3.50 | WO/REP | 31 | H | P | | C&CH W/ RIG PUMP MAKING 1 ACLOMER 74L SWEEP AIR=2 BPM AIP=750 PSI FULL RETURNS VERY LIGHT MUD AND CLEAR WATER PUMP 10 BBLS 10 PPG MUD AT END OF CIRCULATION |
| | 7:30 - 7:15 | | WO/REP | 31 | I | P | | TIH W/ 1.66" WORK STRING FOUND NO TIGHT OR HARD SPOTS ON TIH |
| | 10:45 - 11:00 | 0.25 | WO/REP | 31 | I | P | | PUH FROM 1200' TO 1000' LD 6 JNTS 1.66" TBG ON TRAILER |
| | 11:00 - 12:00 | 1.00 | WO/REP | 51 | C | P | | PUMP FOXHILL ANNULAR FILL AS FOLLOWS: 5 BBLS FRESH WATER, 20 BBLS SMS, 5 BBLS FRESH WATER, 140 SX (33 BBLS) TYPE 3, 14.8 PPG, 1.33 YIELD CEMENT, 1 BBL FRESH WATER. AIR=1.7 BPM, AIP=1200 PSI, ISIP=0 |
| | 12:00 - 12:45 | 0.75 | WO/REP | 31 | I | P | | TOOH W/ 1.66" WORK STRING LAYING DOWN ON TRAILER |
| | 12:45 - 13:30 | 0.75 | WO/REP | 30 | F | P | | NDBOP ND DUAL ENTRY EQUIP SPEAR AND RELAND PROD CSG IN SLIPS @ 55000# INSTALL 5K WH NUBOP W/ FUNCTION TESTED BLIND AND 2.375 PIPE RAMS. SHUT AND LOCK BLIND RAMS |
| | 13:30 - 14:00 | 0.50 | WO/REP | 30 | | P | | LOAD CSG PREPARE WELL FOR LOGGING SWI SDFN WOC |
| | 14:00 - 14:30 | 0.50 | WO/REP | 30 | G | P | | CREW TO YARD |
| 12/5/2015 | 6:30 - 7:00 | 0.50 | WO/REP | 30 | G | P | | CREW TO LOC |
| | 7:00 - 8:00 | 1.00 | WO/REP | 41 | A | P | | RUN CBL FROM 3000-SURFACE TOC=322' |

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|------|-------------------|------------------|--------|------|-------------|-----|-------------------|--|
| | 8:00 - 9:00 | 1.00 | WO/REP | 31 | I | P | | TIH W/ RETRIEVING HEAD TAG FILL ON RBP |
| | 9:00 - 9:30 | 0.50 | WO/REP | 31 | H | P | | CIRCULATE SAND OFF RBP LATCH ONTO TOOL RELEASE RBP |
| | 9:30 - 10:30 | 1.00 | WO/REP | 31 | I | P | | TOOH W/ RBP LD TOOLS PU NC XN NIPPLE |
| | 10:30 - 12:00 | 1.50 | WO/REP | 31 | I | P | | TIH W/ NC XN NIPPLE LAND PROD TBG W/ 229 JNTS @ 7104' |
| | 12:00 - 12:30 | 0.50 | WO/REP | 30 | | P | | BROACH TBG TO XN NIPPLE W/ 1.90 BROACH |
| | 12:30 - 13:00 | 0.50 | WO/REP | 30 | | P | | NDWH NUBOP SWI |
| | 13:00 - 14:00 | 1.00 | WO/REP | 30 | H | P | | RD PREPARE TO MOVE OFF LOC |